

Application No: 10/634,330
Docket No: FA1144 US NA

This listing of claims replaces all prior versions and listings of claims in the application:

CLAIMS

1. (Canceled)
2. (Currently Amended) Method for painting plastic substrates, comprising the steps:
 1. applying a base coat layer consisting of a colour-and/or effect-imparting base coat directly to the plastic substrate,
 2. evaporating and/or curing the base coat layer thus obtained,
 3. applying a clear coat layer consisting of a transparent clear coat to the base coat layer obtained,
 4. curing the clear coat layer obtained, optionally together with the base coat,wherein the applied colour- and/or effect-imparting base coat comprises
 - A) 30 to 90% by weight of a conventional base coat composition, comprising
 - Aa) at least one binder selected from the group consisting of polyurethane, acrylated polyurethane, polyacrylate, polyester, acrylated polyester and alkyd resins and any combinations thereof,
 - Ab) at least one colour and/or effect pigment,
 - Ac) at least one organic solvent and/or water and
 - Ad) optionally conventional paint additives and
 - B) 10 to 70% by weight of an the adhesion-promoting composition B), comprising

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- Ba) at least one ethylene vinyl acetate copolymer,
- Bb) at least one chlorinated rubber,
- Bc) at least one chlorinated polyolefin and
- Bd) optionally organic solvents and/or water and conventional paint additives,

wherein the sum of the portions of components A) and B) makes up 100% by weight;

wherein in step (1) of applying the base coat layer consisting of a colour- and/or effect-imparting coating composition consists of applying a colour- and/or effect-imparting coating composition containing the adhesion-promoting composition B) directly to the plastic substrate and subsequently applying a layer of a colour- and/or effect-imparting coating composition which does not contain the adhesion-promoting composition B).

3. (Currently Amended) Method for painting plastic substrates, comprising the steps:

1. applying a pigmented monocoat finish layer consisting of a colour- and/or effect-imparting coating composition directly to the plastic substrate and

2. curing the top coat layer thus obtained,

wherein the applied colour- and/or effect-imparting monocoat finish comprises

A) 30 to 90% of a conventional monocoat finish composition, comprising

Aa) at least one binder selected from the group consisting of polyurethane, acrylated polyurethane, polyacrylate,

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polyester, acrylated polyester and alkyd resins and any combinations thereof,

- Ab) at least one colour and/or effect pigment,
- Ac) at least one organic solvent and/or water and
- Ad) optionally conventional paint additives and

B) 10 to 70% by weight of an the adhesion-promoting composition B), comprising

- Ba) at least one ethylene vinyl acetate copolymer,
- Bb) at least one chlorinated rubber,
- Bc) at least one chlorinated polyolefin and
- Bd) optionally organic solvents and/or water and conventional paint additives,

wherein the sum of the portions of components A) and B) makes up 100% by weight;

wherein in step (1) of applying a pigmented monocoat finish layer consisting of a colour- and/or effect-imparting coating composition consists of applying a colour- and/or effect-imparting coating composition containing the adhesion-promoting composition B) directly to the plastic substrate and subsequently applying a layer of pigmented monocoat finish layer consisting of a colour- and/or effect-imparting coating composition which does not contain the adhesion-promoting composition B).

4. (Previously Presented) Method according to claim 2, wherein the colour- and/or effect-imparting coating composition comprises 35 to 80% by weight of the conventional colour- and/or effect-imparting coating composition A) and 20 to 65% by weight of the adhesion-

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promoting composition B), wherein the sum of portions of components A) and B) makes up 100% by weight.

5. (Previously Presented) Method according to claim 2, wherein the colour- and/or effect-imparting coating composition comprises 40 to 70% by weight of the conventional colour- and/or effect-imparting coating composition constitution A) and 30 to 60% by weight of the adhesion-promoting composition B), wherein the sum of portions of components A) and B) makes up 100% by weight.
6. (Previously Presented) Method according to claim 2, wherein the adhesion-promoting composition B) comprises
 - Ba) 1.0 to 10.0% by weight of at least one ethylene vinyl acetate copolymer,
 - Bb) 0.5 to 10.0% by weight of at least one chlorinated rubber,
 - Bc) 1.0 to 10.0% by weight of at least one chlorinated polyolefin and
 - Bd) 70.0 to 97.5% by weight of organic solvent and optionally, conventional paint additives, wherein the sum of the portions of components Ba) to Bd) makes up 100% by weight.
7. (Canceled)
8. (Previously Presented) Method according to claim 2, wherein the colour- and/or effect-imparting coating composition is a solvent-based coating composition.

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9. (Previously Presented) Method according to claim 2, wherein the colour- and/or effect-imparting coating composition is a water-based coating composition.
10. (Previously Presented) Method according to claim 2 for painting plastics in vehicle painting.
11. (Previously Presented) A plastic substrate coated according to the process of claim 2.
- 12 (Previously Presented) Method according to claim 3, wherein the colour- and/or effect-imparting coating composition comprises 35 to 80% by weight of the conventional colour- and/or effect-imparting coating composition A) and 20 to 65% by weight of the adhesion-promoting composition B), wherein the sum of portions of components A) and B) makes up 100% by weight.
13. (Previously Presented) Method according to claim 3, wherein the colour- and/or effect-imparting coating composition comprises 40 to 70% by weight of the conventional colour- and/or effect-imparting coating composition constitution A) and 30 to 60% by weight of the adhesion-promoting composition B), wherein the sum of portions of components A) and B) makes up 100% by weight.
14. (Previously Presented) Method according to claim 3, wherein the adhesion-promoting composition B) comprises
 - Ba) 1.0 to 10.0% by weight of at least one ethylene vinyl acetate copolymer,

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Bb) 0.5 to 10.0% by weight of at least one chlorinated rubber,

Bc) 1.0 to 10.0% by weight of at least one chlorinated polyolefin and

Bd) 70.0 to 97.5% by weight of organic solvent and optionally, conventional paint additives, wherein the sum of the portions of components Ba) to Bd) makes up 100% by weight.

15. (Previously Presented) Method according to claim 3, wherein the colour- and/or effect-imparting coating composition is a solvent-based coating composition.

16. (Previously Presented) Method according to claim 3, wherein the colour- and/or effect-imparting coating composition is a water-based coating composition.

17. (Previously Presented) Method according to claim 3 for painting plastics in vehicle painting.

18. (Previously Presented) A plastic substrate coated according to the process of claim 3.